



Water cooled  
screw chiller,  
standard  
efficiency,  
standard sound

EWWQ-B-SS

**R-410A**



Screw compressor

- › 1 or 2 stepless single-screw compressors
- › One or two truly independent refrigerant circuits for outstanding reliability

- › Shell and tube heat exchanger
- › Standard electronic expansion valve
- › Compact design

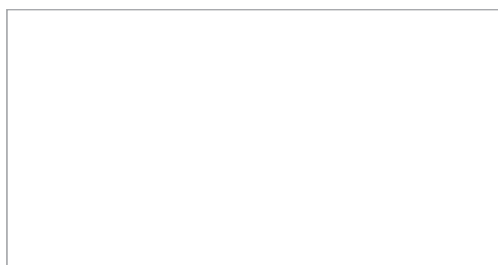
# EWWQ-B-SS



Cooling only				EWWQ-B-SS																				
				380	460	560	640	730	800	860	870	960	C10	C11	C12	C13	C14	C15	C16	C17	C19	C20		
Cooling capacity	Nom.			kW	379	462	560	635	724	793	859	868	956	1,003	1,050	1,181	1,251	1,320	1,452	1,595	1,754	1,896	2,055	
Power input	Cooling	Nom.		kW	89.2	109	133	150	170	179	207	199	218	247	243	268	285	303	337	373	407	441	477	
Capacity control	Method				Stepless																			
	Minimum capacity			%	12.5								25.0	12.5	25.0	25.0								
EER					4.24	4.21	4.22	4.25	4.42	4.15	4.36	4.38	4.07	4.32	4.41	4.38	4.35	4.31	4.28	4.31	4.30	4.31	4.31	
ESEER					4.64	4.69	4.70	4.46	5.08	4.35	5.07	5.03	4.28	5.04	5.05	5.06	5.00	4.66	4.76	4.61	4.63	4.54	4.54	
IPLV					5.57	5.62	5.63	5.32	5.58	5.15	5.75	5.92	5.08	5.90	5.93	5.85	5.46	5.44	5.34	5.38	5.32	5.32	5.32	
Dimensions	Unit	Height			mm	1,849	2,001		1,848	2,158	1,848	2,158		1,851	2,378	2,455		2,495						
		Width			mm	1,140	1,276		1,314	1,350	1,327	1,350		1,314			1,350							
		Depth			mm	3,373	3,454		3,535	5,020	3,535	5,020		3,535	4,894	5,070		4,892		4,865				
Weight	Unit			kg	1,933	1,967	2,283	2,332	2,407	3,921	2,427	3,949	3,988	2,457	4,344	4,529	4,536	4,607	4,988	4,999	5,053	5,204	5,289	
	Operation weight			kg	2,135	2,169	2,543	2,628	2,777	4,422	2,795	4,463	4,496	2,812	4,780	5,186	5,200	5,280	5,602	5,615	5,670	5,881	5,970	
Water heat exchanger - evaporator	Type			Single pass shell and tube																				
	Water volume			l	124	118	176	170	274	344	266	344	325	251	325	538		505		495	539	527	527	
Compressor	Water pressure drop	Cooling	Nom.		kPa	48	63	44	47	54	53	49	62	58	56	69	45	49	54	59	69	88	97	120
	Type			Single screw compressor																				
Sound power level	Cooling	Nom.		dBA	1				2		1	2		1	2									
					Quantity	1				2		1	2		1	2								
Sound pressure level	Cooling	Nom.		dBA	100	101	102		105	102	105		103	105		107		106		107		108		
Operation range	Evaporator	Cooling	Min.	°CDB																				
			Max.	°CDB		-4																		
	Condenser	Cooling	Min.	°CDB		10																		
			Max.	°CDB		25																		
Refrigerant	Type/GWP			R-410A/ 2,087.5																				
Refrigerant charge	Per circuit	Quantity		kg	1				2		1	2		1	2									
					TCO <sub>2</sub> Eq	120.0				100.0		175.0	90.0	80.0	85.0	90.0	45.0	85.0	100.0	160.0	100.0	150.0	130.0	150.0
Piping connections	Evaporator water inlet/outlet			mm	152.4				203.2				-				254							
	Condenser water inlet/outlet (OD)			inch	5				6		5				6				5					
	Unit	Starting current	Max	A	455				656	599	656	626		656	663		690		902	954		988		
Power supply	Phase/Frequency/Voltage	Hz/V		A	149	175	211	237	269	299	329	325	352	391	387	423	449	476	539	596	650	702	755	
					Max	179	214	259	294	308	358	372	393	427	434	473	519	553	587	615	679	744	771	830

Cooling: entering evaporator water temp. 12°C; leaving evaporator water temp. 7°C; entering condenser water temp. 30°C; leaving condenser water temp. 35°C; full load operation. Equipment contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.

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